FILE

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Customer-Focused Solutions

October 13, 2000

California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

ATTN: MS. MANJULIKA CHAKRABARTI

SITE: JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CASE NUMBER: 97-020

RE: THIRD QUARTER 2000
FLUID LEVEL MONITORING AND GROUNDWATER SAMPLING REPORT

Dear Ms. Chakrabarti:

Please find enclosed one copy of the Third Quarter 2000 Fluid Level Monitoring and Groundwater Sampling Report for the Jalk Fee Property located at 10607 Norwalk Boulevard, Santa Fe Springs, California.

If you have any questions regarding this report, please call me at (949) 341-7449.

Sincerely,

TRC

Jeff Hensel, RG, REA
Project Manager

Enclosure

23-0134/JalkQMSR02.Doc

c.c. Mr. F. E. Hand, ExxonMobil Corporation

21 Technology Drive • Irvine, California 92618
Telephone 949-753-0101 • Fax 949-753-0111

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THIRD QUARTER 2000
FLUID LEVEL MONITORING AND
GROUNDWATER SAMPLING REPORT

October 13, 2000

JALK FEE PROPERTY
10607 Norwalk Boulevard
Santa Fe Springs, California

TRC Project No. 23-0134

Prepared For:

EXXONMOBIL CORPORATION
1200 Timberloch Place
The Woodlands, Texas 77380

By:

Jeff Hensel, RG, REA
Project Manager

Associate, Irvine Operations

TRC ALTON GEOSCIENCE
21 Technology Drive
Irvine, California 92618

REGISTERED GEOLOGIST
THOMAS KELTY
NO. 557
CERTIFIED
HYDROGEOLOGIST
STATE OF CALIFORNIA

TABLE OF CONTENTS

1.0 INTRODUCTION

This report presents the findings of fluid level monitoring and groundwater sampling activities performed in the Third Quarter 2000 at the Jalk Fee Property located at 10607 Norwalk Boulevard, Santa Fe Springs, California (Figure 1).

2.0 FLUID LEVEL MONITORING AND GROUNDWATER SAMPLING ACTIVITIES

On August 31 and September 15, 2000, fluid levels were measured in Monitoring Wells MMW-3, -4 and -5, located as shown on the groundwater elevation contour map (Figure 2). Monitoring Well MMW-5 was sounded and sampled at a later date since it was not located during the August 31, 2000 sample event due to site remedial activities. A summary of fluid level monitoring data for this and previous events is presented in Table 1. Plots of depth to water vs. time for this and the previous events, are presented in Graphs 1, 2 and 3.

Monitoring wells were purged and sampled in accordance with standard regulatory protocol. General field procedures and monitoring well purging data are provided in Appendix A.

3.0 LABORATORY ANALYSIS AND GROUNDWATER DISPOSAL

Groundwater samples were submitted to a state-certified laboratory and analyzed for volatile organic compounds (VOCs) by EPA Method 8260B, total petroleum hydrocarbons as gasoline (TPH-G) by EPA Method 8015M, and ethanol and methanol by EPA Method 8015B. Dissolved-phase concentrations are shown in Figure 3. Laboratory results for this and previous groundwater sampling events are summarized in Table 1. Copies of the official laboratory report and chain of custody record are included in Appendix B.

Groundwater generated during purging and sampling activities was temporarily stored onsite pending transport to an appropriate disposal/recycling facility. Refer to Appendix C for a copy of the non-hazardous waste manifest.

4.0 FINDINGS

- The groundwater elevation ranges from 25.76 (MMW-4) to 28.50 (MMW-3) feet above mean sea level. The groundwater gradient is generally directed to the southwest as shown on Figure 2.

- No concentrations of TPH-G, BTEX, MTBE, ethanol, or methanol were detected in groundwater samples collected in the Third Quarter 2000 (Table 1), with the exception of TPH-G and methanol in MMW-5, at concentrations of 0.136 and 0.32 mg/l, respectively, and

MTBE in MMW-3 at a concentration of 0.0019 mg/l. These compounds were not previously detected at the Jalk Fee site and may be the result of field or laboratory contamination.

- The maximum concentrations of tetrachloroethene (PCE) and trichloroethane (TCE) were detected in Well MMW-5 (390 and 52 micrograms per liter [µg/l], respectively).

5.0 PLANNED ACTIVITIES FOR FOURTH QUARTER 2000

- Groundwater monitoring and sampling activities will continue in the Fourth Quarter 2000.
- Complete oversight of the pipeline and tank farm removal activities and the remediation of hydrocarbon-impacted soil related to Hathaway Oil Company's past operations.
- Submit Remedial Action Plan (RAP) and Closure Report to the Santa Fe Springs Fire Department for the remediation of the remaining "Mobil" related hydrocarbon impacted soil.

TABLES

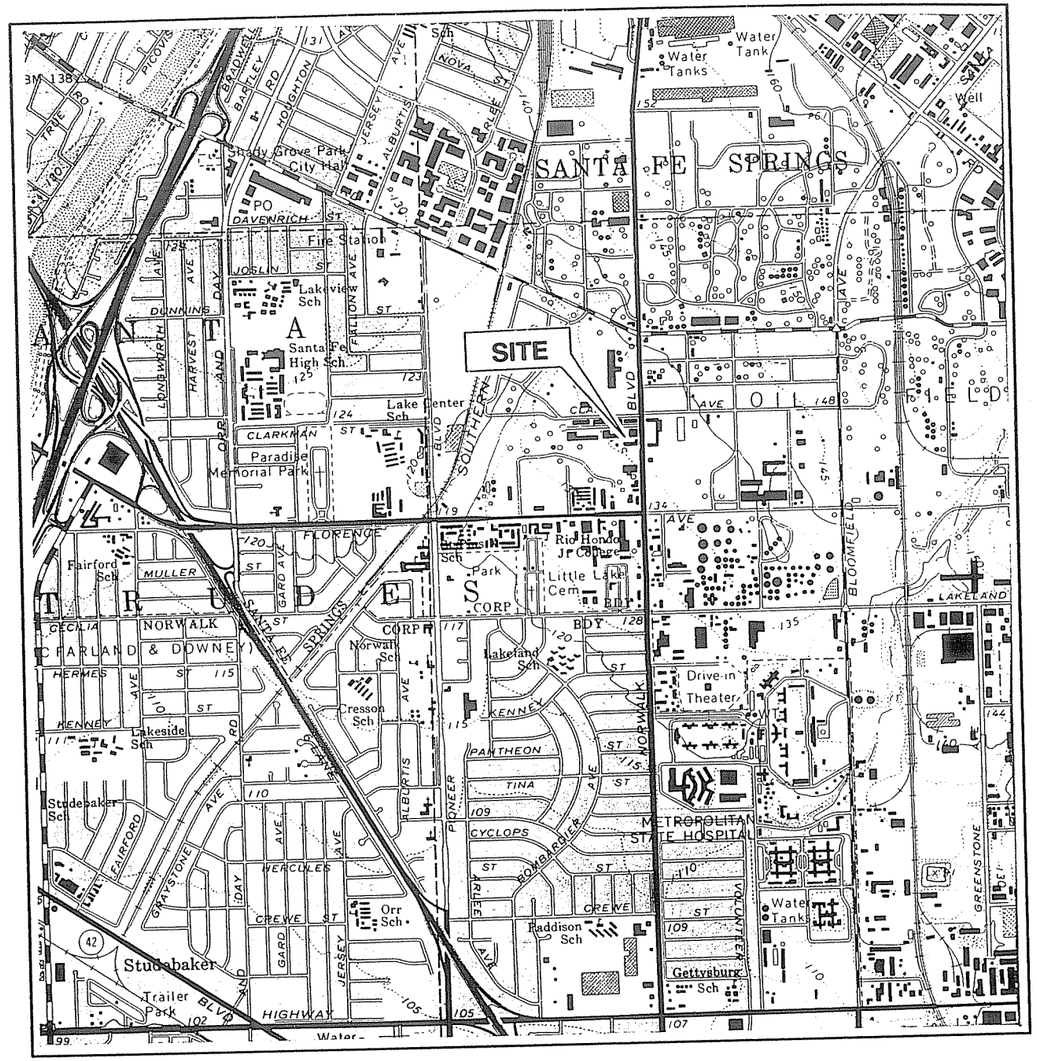
Table 1

GROUNDWATER ELEVATION AND LABORATORY ANALYSIS RESULTS
March 1994 through September 2000
Jalk Fee Property

Well ID	Date	Top of Casing Elevation	Depth to Water (fbg)	Groundwater Elevation (fbg)	TPH-G (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	PCE (µg/l)	TCE (µg/l)	1-1, DCA (µg/l)	1,1-DCE (µg/l)
MMW-3	03/15/94	134.26	64.92	69.34	ND	4	13	26	101	--	5	25	2	10
	06/22/94	134.26	63.08	71.18	ND	ND	ND	ND	ND	--	4	24	2	8
	09/16/94	134.26	64.34	69.92	ND	ND	3	ND	6	--	ND	12	ND	3
	12/16/94	134.26	66.21	68.05	ND	ND	8	2	8	--	3	17	2	5
	03/08/95	134.26	64.95	69.31	ND	28	28	2	18	--	4	20	2	2
	03/26/97	99.17	62.25	36.92	ND	ND	ND	ND	ND	--	12	23	2	7
	08/03/98	99.17	61.12	38.05	ND	ND	ND	ND	ND	ND	8	21	2	6
	10/22/98	99.17	62.07	37.1	--	--	--	--	--	--	--	--	--	--
	05/02/00	99.17	70.94	28.23	ND	ND	ND	ND	ND	ND	5.0	16	1.8	9.2
	06/06/00	99.17	70.69	28.48	ND	ND	ND	ND	ND	ND	3.2	12	1.4	5.6
	08/31/00	99.17	70.67	28.5	ND < 500	ND < 0.5	ND < 1.0	ND < 1.0	ND < 2.0	1.9	4.4	15	1.7	6.5
MMW-4	03/15/94	131.4	64.36	67.04	ND	ND	4	10	38	--	4	18	ND	2
	06/22/94	131.4	62.73	68.67	ND	ND	ND	ND	ND	--	2	16	ND	ND
	09/16/94	131.4	64.32	67.08	ND	ND	ND	ND	ND	--	ND	6	ND	ND
	12/16/94	131.4	66.10	65.3	ND	ND	7	3	9	--	1	6	ND	ND
	03/08/95	131.4	65.38	66.02	ND	2	2	ND	1	--	5	9	ND	ND
	03/26/97	96.34	61.57	34.77	ND	ND	ND	ND	ND	--	4.20	4	ND	ND
	08/03/98	96.34	60.86	35.48	ND	ND	ND	ND	ND	ND	2	4	ND	ND
	10/22/98	96.34	61.93	34.41	--	--	--	--	--	--	--	--	--	--
	05/02/00	96.34	70.57	25.77	ND	ND	ND	ND	ND	ND	4.4	12	1.7	1.8
	06/06/00	96.34	70.46	25.88	ND	ND	ND	ND	ND	ND	5.6	15	2.1	2.5
	08/31/00	96.34	70.58	25.76	ND < 500	ND < 0.5	ND < 1.0	ND < 1.0	ND < 2.0	ND < 1.0	6.7	17	1.9	2.0
MMW-5	03/15/94	133.38	66.26	67.12	ND	ND	ND	11	37	--	330	60	ND	5
	06/22/94	133.38	64.45	68.93	ND	ND	ND	ND	ND	--	930	100	ND	ND
	09/16/94	133.38	65.61	67.77	ND	ND	ND	ND	ND	--	830	82	ND	ND
	12/16/94	133.38	67.34	66.04	ND	ND	1	2	1	--	1,400	140	ND	5
	03/08/95	133.38	66.16	67.22	ND	ND	ND	ND	ND	--	2,200	180	ND	ND
	03/26/97	98.33	63.45	34.88	400	ND	ND	ND	ND	--	1,100	88	ND	ND
	10/22/98	98.33	63.34	34.99	ND	ND	0.40	ND	0.60	ND	--	--	--	--
	11/20/98	98.33	63.59	34.74	450	3	3.00	ND	1.00	ND	660	91	ND	9
	05/02/00	98.33	71.95	26.38	ND	ND	ND	ND	ND	ND	660	90	3.4	39
	06/06/00	98.33	71.79	26.54	ND	ND	ND	ND	ND	ND	100	24	ND	19
	09/15/00	98.33	71.86	26.47	136	ND < 2.5	ND < 5.0	ND < 5.0	ND < 10	ND < 5.0	390	52	3.1	41

Notes:
PCE = tetrachloroethene
TPH-G = total petroleum hydrocarbons with gasoline distinction
MTBE = methyl tertiary butyl ether
TCE = trichloroethene
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
fbg = feet below grade
µg/l = micrograms per liter
-- = not analyzed, measured, or collected

FIGURES



SOURCE:
United States Geological Survey
7.5 Minute Topographic Map:
Whittier Quadrangle

VICINITY MAP

Mobil Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California

FIGURE 1

ALTON GEOSCIENCE
Irvine, California

23-134 8/26/97

N

BUILDING

BUILDING

EQUIPMENT REPAIR AREA

ASPHALT

MMW-3
27.31

FORMER
ABOVE GROUND
STORAGE
TANK FARM

EQUIPMENT
STORAGE AND
MAINTENANCE
AREA

BUILDING

27.00

26.50

26.00

FORMER
BONEYARD
AREA

MMW-4
25.70

MMW-5
26.47

CONCRETE WALL

BUILDING

EQUIPMENT STORAGE & REPAIR AREA

CHAINLINK FENCE

CONTINENTAL HEAT TREATING, INC.

LEGEND

MMW-5 — Monitoring Well with Groundwater Elevation (feet)

Chainlink Fence

Gate

27.00 — Groundwater Elevation Contour

General Direction of Groundwater Flow

NOTE:

Contour lines are interpretive based on fluid levels measured in wells. Elevations are calculated using survey data to an arbitrary benchmark of 100 feet.

SCALE (FEET)

0 100 200

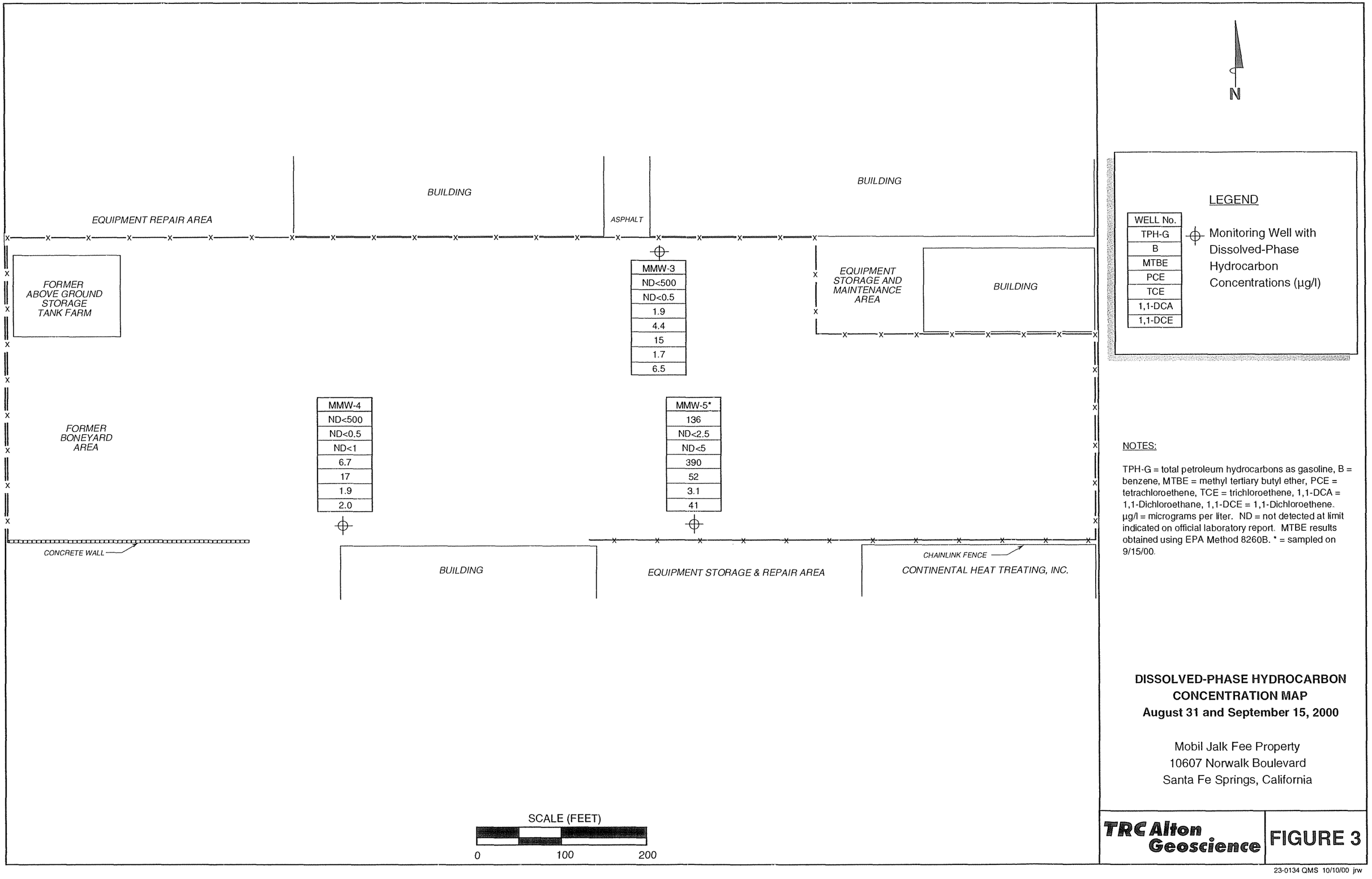
GROUNDWATER ELEVATION CONTOUR MAP
September 15, 2000

Mobil Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California

TRC Alton Geoscience

FIGURE 2

23-0134 QMS 10/10/00 jrw



LEGEND

WELL No.
TPH-G
B
MTBE
PCE
TCE
1,1-DCA
1,1-DCE

Monitoring Well with Dissolved-Phase Hydrocarbon Concentrations (µg/l)

NOTES:

TPH-G = total petroleum hydrocarbons as gasoline, B = benzene, MTBE = methyl tertiary butyl ether, PCE = tetrachloroethene, TCE = trichloroethene, 1,1-DCA = 1,1-Dichloroethane, 1,1-DCE = 1,1-Dichloroethene. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. MTBE results obtained using EPA Method 8260B. * = sampled on 9/15/00.

DISSOLVED-PHASE HYDROCARBON CONCENTRATION MAP
August 31 and September 15, 2000

Mobil Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California

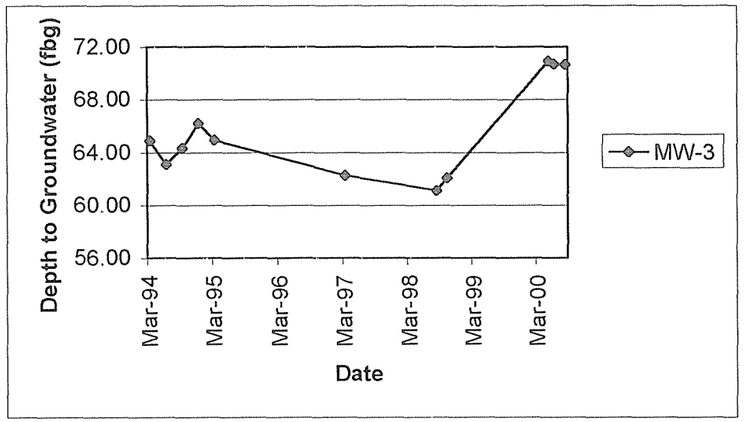
TRC Alton Geoscience

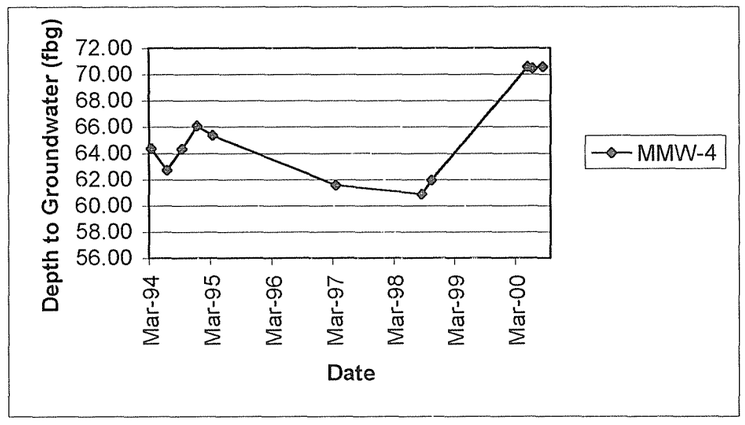
FIGURE 3

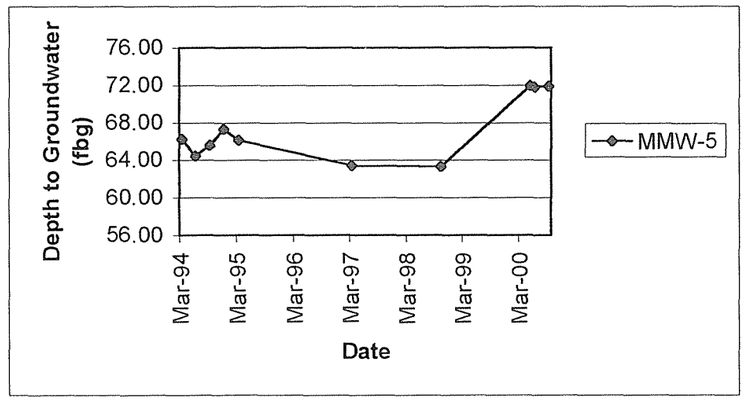
23-0134 QMS 10/10/00 jrw

GRAPHS

Graph 1
Depth to Groundwater vs. Time
Jalk Fee Property







APPENDIX

APPENDIX A

GENERAL FIELD PROCEDURES AND MONITORING WELL PURGING DATA

GENERAL FIELD PROCEDURES

General field procedures used during fluid level monitoring and groundwater sampling activities are described below.

FLUID LEVEL MONITORING

Fluid levels are monitored in the wells using an electronic interface probe with conductance sensors. The depth to liquid-phase hydrocarbons (LPH) and water is measured relative to the well box top or top of casing. Well box or casing elevations are surveyed to within 0.02 foot relative to a county or city bench mark.

GROUNDWATER SAMPLING

Groundwater monitoring wells are purged and sampled in accordance with standard regulatory protocol. Typically, monitoring wells that contain no LPH are purged of groundwater prior to sampling so that fluids collected are representative of fluids within the formation. Temperature, pH, and specific conductance are typically measured after each well casing volume has been removed. Purging is considered complete when the specified number of casing volumes of fluid have been removed and the three (3) parameters, pH, Conductivity, and Temperature have stabilized (See groundwater Sampling Field Notes for volume removed). Samples for laboratory analysis are collected without further purging if the well does not recharge within 2 hours to 80% of its volume before purging.

The purge water is either (1) pumped directly into a licensed vacuum truck; or (2) treated and disposed onsite using the TRC Alton Geoscience Mobile Groundwater Treatment Trailer; or (3) temporarily stored in labeled drums prior to transport to a treatment/recycling facility. If an automatic recovery system (ARS) is operating at the site, purged water may be pumped into the ARS for treatment.

With respect to wells that have been designated as "nonpurge", the wells will be sampled without purging. Monitoring wells that contain measurable LPH are typically purged. The purged water and LPH removed from wells will be either pumped directly into a licensed vacuum truck and removed from the site, or temporarily stored in labeled drums pending transport to an approved treatment/recycling facility.

GROUNDWATER SAMPLE COLLECTION

Groundwater samples are collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer to just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to 1-liter and 40-milliliter glass containers. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials, then transported to a state-certified laboratory for analysis. Samples remain in a cooler packed with ice until returned to TRC Alton's office where they are kept in a dedicated sample refrigerator pending shipment to an analytical laboratory.

Chain of custody protocol is followed for all groundwater samples selected for laboratory analysis. The chain of custody form(s) accompanies the samples from the sampling locality to the laboratory, providing a continuous record of possession prior to analysis. When a freight or overnight carrier ships samples, the carrier is noted on the chain of custody form.

DECONTAMINATION

Latex gloves are worn at all times during monitoring, sampling, and purging activities. Gloves are changed between each well. All monitoring, sampling, and purging equipment that could contact well fluids is either dedicated to a particular well or cleaned prior to each use in a Liqui-nox solution followed by two rinses: the first rinse in tap water and the final rinse in deionized water.

GEOSCIENCE

Technician: Mike Kubwitt Job #/Task #: 23-0134-01 /0303 Date: 09-15-00

Site # Julk Fee-002 Project Manager John Trompeter Page 1 of 1

Well #	DO ~~Grade~~	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
mw-5	0.51	x	105.85	71.86	Ø	Ø	10:09	4"
mw-4	0.74	x	104.61	70.64	Ø	Ø	N/S	4" monitor only
mw-3	0.43	x	92.91	70.68	Ø	Ø	N/S	4" ↓

FIELD DATA COMPLETE ✓ QA/QC ✓ COC ✓ WELL BOX CONDITION SHEETS ✓

WTT CERTIFICATE MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL

FLDMONXLS 3/29/00

GROUNDWATER SAMPLING FIELD NOTES

Site: Jalk Fee-002 Project No.: 23-0134-01/6308 Sampled By: Mike Kobzwitt Date: 09-15-00

Well No. MW-5
Depth to Water (feet): 71.86
Total Depth (feet) 105.85
Water Column (feet): 33.99
80% Recharge Depth (feet): 78.66

Purge Method: Sub-0933
Depth to Product (feet): Ø
LPH & Water Recovered (gallons): Ø
Casing Diameter (Inches): 4"
1 Well Volume (gallons): 22

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
9:26			22	1.35	76.7	7.61
			44	1.36	79.4	7.38
	9:54		66	1.37	82.6	7.23

Static at Time Sampled	Total Purged	Time Sampled
71.87	66	10:09

Comments:

Well No.
Depth to Water (feet):
Total Depth (feet)
Water Column (feet):
80% Recharge Depth (feet):

Purge Method:
Depth to Product (feet):
LPH & Water Recovered (gallons):
Casing Diameter (Inches):
1 Well Volume (gallons):

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No.
Depth to Water (feet)
Total Depth (feet):
Water Column (feet)
80% Recharge Depth (feet):

Purge Method:
Depth to Product (feet):
LPH & Water Recovered (gallons):
Casing Diameter (inches):
1 Well Volume (gallons):

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No.
Depth to Water (feet)
Total Depth (feet):
Water Column (feet)
80% Recharge Depth (feet):

Purge Method:
Depth to Product (feet):
LPH & Water Recovered (gallons):
Casing Diameter (inches):
1 Well Volume (gallons):

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No.
Depth to Water (feet)
Total Depth (feet):
Water Column (feet)
80% Recharge Depth (feet):

Purge Method:
Depth to Product (feet):
LPH & Water Recovered (gallons):
Casing Diameter (inches):
1 Well Volume (gallons):

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No.
Depth to Water (feet)
Total Depth (feet):
Water Column (feet)
80% Recharge Depth (feet):

Purge Method:
Depth to Product (feet):
LPH & Water Recovered (gallons):
Casing Diameter (inches):
1 Well Volume (gallons):

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

FIELD MONITORING DATA SHEET

ALTON GEOSCIENCE

Technician: Ed/Tom   Job #/Task #: 23-0134-01   Date: 8-31-00

Site # Jalk Fee 002   Project Manager John Trompeter   Page 1 of 1

Well #	D. O ~~[illegible]~~	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-5		X	—	—	—	—		Missing well
MW-4	0.96	X	104.90	70.58	Ø	Ø	10:45	4"
MW-3	1.29	X	92.88	70.67	Ø	Ø	10:32	4"
								Site under
								Const.

FIELD DATA COMPLETE   QA/QC   COC   WELL BOX CONDITION SHEETS

WTT CERTIFICATE   MANIFEST   DRUM INVENTORY   TRAFFIC CONTROL

FLDMONJL 8 3/29/99

GROUNDWATER SAMPLING FIELD NOTES

Site: Jalk Fee   Project No.: 23-0134-01   Sampled By: Ed/Tom   Date: 8-31-00

Well No. MW-4   Purge Method: Sub-935
Depth to Water (feet): 70.58   Depth to Product (feet): 0
Total Depth (feet) 104.90   LPH & Water Recovered (gallons): 0
Water Column (feet): 34.32   Casing Diameter (Inches): 4"
80% Recharge Depth (feet): 77.44   1 Well Volume (gallons): 22

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH
10:09			22	1.92	80.0	6.87
			44	1.98	79.2	6.81
	10:29		66	1.95	79.0	6.82

Static at Time Sampled	Total Purged	Time Sampled
70.58	66	10:45

Comments:
D.O. 0.96

Well No. ______   Purge Method: ______
Depth to Water (feet): ______   Depth to Product (feet): ______
Total Depth (feet) ______   LPH & Water Recovered (gallons): ______
Water Column (feet): ______   Casing Diameter (Inches): ______
80% Recharge Depth (feet): ______   1 Well Volume (gallons): ______

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No. ______   Purge Method: ______
Depth to Water (feet) ______   Depth to Product (feet): ______
Total Depth (feet): ______   LPH & Water Recovered (gallons): ______
Water Column (feet) ______   Casing Diameter (inches): ______
80% Recharge Depth (feet): ______   1 Well Volume (gallons): ______

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No. ______   Purge Method: ______
Depth to Water (feet) ______   Depth to Product (feet): ______
Total Depth (feet): ______   LPH & Water Recovered (gallons): ______
Water Column (feet) ______   Casing Diameter (inches): ______
80% Recharge Depth (feet): ______   1 Well Volume (gallons): ______

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No. ______   Purge Method: ______
Depth to Water (feet) ______   Depth to Product (feet): ______
Total Depth (feet): ______   LPH & Water Recovered (gallons): ______
Water Column (feet) ______   Casing Diameter (inches): ______
80% Recharge Depth (feet): ______   1 Well Volume (gallons): ______

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No. ______   Purge Method: ______
Depth to Water (feet) ______   Depth to Product (feet): ______
Total Depth (feet): ______   LPH & Water Recovered (gallons): ______
Water Column (feet) ______   Casing Diameter (inches): ______
80% Recharge Depth (feet): ______   1 Well Volume (gallons): ______

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Site: Jalk-fee Project No.: 23-0134-01 Sampled By: Thomas / E.D Date: 8-31-00

Well No. MW-3
Purge Method: 0922 SUB
Depth to Water (feet): 70.67
Depth to Product (feet): Ø
Total Depth (feet) 92.88
LPH & Water Recovered (gallons): Ø
Water Column (feet): 22.21
Casing Diameter (Inches): 4"
80% Recharge Depth (feet): 75.11
1 Well Volume (gallons): 14

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH
10:04			14	2.03	75.2	7.30
			28	2.08	75.5	7.10
	10:18		42	2.14	76.0	7.18

Static at Time Sampled	Total Purged	Time Sampled
70.65	42	10:32

Comments:
D.O # 1.29

Well No.
Purge Method:
Depth to Water (feet):
Depth to Product (feet):
Total Depth (feet)
LPH & Water Recovered (gallons):
Water Column (feet):
Casing Diameter (Inches):
80% Recharge Depth (feet):
1 Well Volume (gallons):

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No.
Purge Method:
Depth to Water (feet)
Depth to Product (feet):
Total Depth (feet):
LPH & Water Recovered (gallons):
Water Column (feet)
Casing Diameter (inches):
80% Recharge Depth (feet):
1 Well Volume (gallons):

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No.
Purge Method:
Depth to Water (feet)
Depth to Product (feet):
Total Depth (feet):
LPH & Water Recovered (gallons):
Water Column (feet)
Casing Diameter (inches):
80% Recharge Depth (feet):
1 Well Volume (gallons):

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No.
Purge Method:
Depth to Water (feet)
Depth to Product (feet):
Total Depth (feet):
LPH & Water Recovered (gallons):
Water Column (feet)
Casing Diameter (inches):
80% Recharge Depth (feet):
1 Well Volume (gallons):

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No.
Purge Method:
Depth to Water (feet)
Depth to Product (feet):
Total Depth (feet):
LPH & Water Recovered (gallons):
Water Column (feet)
Casing Diameter (inches):
80% Recharge Depth (feet):
1 Well Volume (gallons):

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

APPENDIX B

OFFICIAL LABORATORY REPORT AND CHAIN OF CUSTODY RECORD AND MANIFEST

Calscience Environmental Laboratories, Inc.

September 08, 2000

John Trompeter
TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Subject: **Calscience Work Order Number: 00-09-0042**
Client Reference: Jalk-Fee 23-0134-01

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 09/01/00, and analyzed as requested on the attached chain-of-custody record.

The results in this analytical report are limited to the samples tested, and any reproduction of this report must be made in its entirety.

Note that the Sample Receipt Form and Chain-of-Custody Record are integral parts of this report.

If you have any questions regarding this report, require sampling supplies or field services, or information about our analytical services, please feel free to call me at (714) 895-5494.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Michael J. Crisostomo
Project Manager

William H. Christen
Quality Assurance Manager

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Date Received: 09/01/00
Work Order No: 00-09-0042
Preparation: EPA 5030B
Method: EPA 8015M

Project: Jalk-Fee 23-0134-01

Client Sample Number:	Lab Sample Number:	Matrix:	Date Collected:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW-3	**00-09-0042-1**	**Aqueous**	**08/31/00**	**N/A**	**09/05/00**	**00090501sa**

Parameter	Result	RL	DF	Qual	Units
TPH for Gasoline	ND	500	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	85	57-128	

Client Sample Number:	Lab Sample Number:	Matrix:	Date Collected:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW-4	**00-09-0042-2**	**Aqueous**	**08/31/00**	**N/A**	**09/05/00**	**00090501sa**

Parameter	Result	RL	DF	Qual	Units
TPH for Gasoline	ND	500	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	57-128	

Client Sample Number:	Lab Sample Number:	Matrix:	Date Collected:	Date Prepared:	Date Analyzed:	QC Batch ID:
Method Blank	**098-03-006-628**	**Aqueous**	**N/A**	**N/A**	**09/05/00**	**00090501sa**

Parameter	Result	RL	DF	Qual	Units
TPH for Gasoline	ND	500	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	57-128	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Date Received: 09/01/00
Work Order No: 00-09-0042
Preparation: N/A
Method: EPA 8260B

Project: Jalk-Fee 23-0134-01

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW-3	00-09-0042-1	08/31/00	Aqueous	N/A	09/07/00	000906BW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
Bromoform	ND	1.0	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
2-Butanone	ND	10	1		ug/L	Methylene Chloride	ND	10	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Naphthalene	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Styrene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Tetrachloroethene	4.4	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	Trichloroethene	15	1	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	1.7	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	1.0	0.5	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	6.5	1.0	1		ug/L	Methyl-tert-Butyl Ether	1.9	1.0	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	Tert-Butyl alcohol (TBA)	ND	50	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Diisopropyl ether (DIPE)	ND	2.0	1		ug/L
1,2-Dichloropropane	1.2	1.0	1		ug/L	Ethyl t-butyl ether (ETBE)	ND	2.0	1		ug/L
1,3-Dichloropropane	ND	1.0	1		ug/L	Tert-Amyl methyl ether	ND	2.0	1		ug/L
2,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	86-118		Toluene-d8	98	88-110	
1,4-Bromofluorobenzene	106	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Date Received: 09/01/00
Work Order No: 00-09-0042
Preparation: N/A
Method: EPA 8260B

Project: Jalk-Fee 23-0134-01

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW-4	**00-09-0042-2**	**08/31/00**	**Aqueous**	**N/A**	**09/07/00**	**000906BW**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
Bromoform	ND	1.0	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
2-Butanone	ND	10	1		ug/L	Methylene Chloride	ND	10	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Naphthalene	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Styrene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Tetrachloroethene	6.7	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	Trichloroethene	17	1	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	1.9	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	0.82	0.50	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	2.0	1.0	1		ug/L	Methyl-tert-Butyl Ether	ND	1.0	1		ug/L
c-1,2-Dichloroethene	2.3	1.0	1		ug/L	Tert-Butyl alcohol (TBA)	ND	50	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Diisopropyl ether (DIPE)	ND	2.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Ethyl t-butyl ether (ETBE)	ND	2.0	1		ug/L
1,3-Dichloropropane	ND	1.0	1		ug/L	Tert-Amyl methyl ether	ND	2.0	1		ug/L
2,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	86-118		Toluene-d8	98	88-110	
1,4-Bromofluorobenzene	99	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Date Received: 09/01/00
Work Order No: 00-09-0042
Preparation: N/A
Method: EPA 8260B

Project: Jalk-Fee 23-0134-01

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
Method Blank	**099-10-006-735**	**N/A**	**Aqueous**	**N/A**	**09/07/00**	**000906BW**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
Bromoform	ND	1.0	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
2-Butanone	ND	10	1		ug/L	Methylene Chloride	ND	10	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Naphthalene	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Styrene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Methyl-tert-Butyl Ether	ND	1.0	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	Tert-Butyl alcohol (TBA)	ND	50	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Diisopropyl ether (DIPE)	ND	2.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Ethyl t-butyl ether (ETBE)	ND	2.0	1		ug/L
1,3-Dichloropropane	ND	1.0	1		ug/L	Tert-Amyl methyl ether	ND	2.0	1		ug/L
2,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	86-118		Toluene-d8	97	88-110	
1,4-Bromofluorobenzene	98	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

TRC-Alton Geoscience		Date Sampled:	08/31/00
21 Technology Drive		Date Received:	09/01/00
Irvine, CA 92618		Date Extracted:	NA
		Date Analyzed:	09/05/00
		Work Order No.:	00-09-0042
Attn: John Trompeter		Method:	EPA 8015B
RE: Jalk-Fee 23-0134-01		Page 1 of 1	

All concentrations are reported in mg/L (ppm).

Analyte	Concentration	Reporting Limit
Sample Number: MW-3		
Methanol	ND	0.10
Ethanol	ND	0.10
Sample Number: MW-4		
Methanol	ND	0.10
Ethanol	ND	0.10
Sample Number: Method Blank		
Methanol	ND	0.10
Ethanol	ND	0.10

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Project: Jalk-Fee 23-0134-01

Date Received: 09/01/00
Work Order No: 00-09-0042
Preparation: EPA 5030B
Method: EPA 8015M

Spiked Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
00-09-0033-3	Aqueous	GC 29	N/A	09/05/00	00090501ms

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH for Gasoline	81	78	68-122	5	0-14	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Project: Jalk-Fee 23-0134-01

Date Received: 09/01/00
Work Order No: 00-09-0042
Preparation: EPA 5030B
Method: EPA 8015M

LCS Sample Number	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
098-03-006-628	Aqueous	GC 29	N/A	09/05/00	00090501sa

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH for Gasoline	100	89	79-115	12	0-19	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Project: Jalk-Fee 23-0134-01

Date Received: 09/01/00
Work Order No: 00-09-0042
Preparation: N/A
Method: EPA 8260B

Spiked Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-4	**Aqueous**	**GC/MS C**	**N/A**	**09/07/00**	**0009004202**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	103	72-127	1	0-25	
Carbon Tetrachloride	102	101	70-130	1	0-25	
Chlorobenzene	100	98	72-131	3	0-25	
1,2-Dichlorobenzene	100	99	70-130	2	0-25	
1,1-Dichloroethene	98	98	69-127	0	0-25	
Toluene	100	100	75-124	1	0-25	
Trichloroethene	102	103	60-137	1	0-25	
Vinyl Chloride	101	101	70-130	0	0-25	
Methyl-tert-Butyl Ether	94	93	80-120	1	0-25	
Tert-Butyl alcohol (TBA)	87	84	60-140	3	0-25	
Diisopropyl ether (DIPE)	97	94	60-140	3	0-25	
Ethyl t-butyl ether (ETBE)	90	87	60-140	3	0-25	
Tert-Amyl methyl ether	90	91	60-140	1	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Project: Jalk-Fee 23-0134-01

Date Received: 09/01/00
Work Order No: 00-09-0042
Preparation: N/A
Method: EPA 8260B

LCS Sample Number	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-006-735	Aqueous	GC/MS C	09/07/00	06SEP028	000906BW

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Benzene	50	50.4	101	72-127	
Carbon Tetrachloride	50	53.1	106	70-130	
Chlorobenzene	50	49.2	98	72-131	
1,2-Dichlorobenzene	50	49.4	99	70-130	
1,1-Dichloroethene	50	49.8	100	69-127	
Toluene	50	48.9	98	75-124	
Trichloroethene	50	51.4	103	60-137	
Vinyl Chloride	50	52.2	104	79-118	
Methyl-tert-Butyl Ether	50	46.5	93	80-120	
Tert-Butyl alcohol (TBA)	50	45.3	91	60-140	
Diisopropyl ether (DIPE)	50	47.5	95	60-140	
Ethyl t-butyl ether (ETBE)	50	43.4	87	60-140	
Tert-Amyl methyl ether	50	44.0	88	60-140	

Calscience Environmental Laboratories, Inc.

QUALITY ASSURANCE SUMMARY
Method EPA 8015B

TRC-Alton Geoscience | Work Order No.: 00-09-0042
Page 1 of 1 | Date Analyzed: 09/05/00

Matrix Spike/Matrix Spike Duplicate
Sample Spiked: MW-3

Analyte	MS%REC	MSD%REC	Control Limits	%RPD	Control Limits
Methanol	97	98	50 - 150	1	0 - 25
Ethanol	99	99	50 - 150	0	0 - 25

Laboratory Control Sample

Analyte	Conc. Added	Conc. Rec.	%REC	Control Limits
Methanol	5.00	4.73	95	50 - 150
Ethanol	5.00	4.77	95	50 - 150

Surrogate Recoveries (in %)

Sample Number	S1
MW-3	111
MW-4	112
Method Blank	107

Surrogate Compound	%REC Acceptable Limits
S1 > Acetonitrile	50 - 150

Calscience Environmental Laboratories, Inc.

GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 00-09-0042

Qualifier	Definition
ND	Not detected at indicated reporting limit.

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501

SAMPLE RECEIPT FORM

Work Order Number:	**00-09-0042**	Date Received:	09/01/00
Delivery Container Type:	Cooler	Date Opened:	09/01/00
Client Project ID:	Jalk-Fee 23-0134-01	Opened By:	JP

Section A: Pass/Fail Criteria

		Comments
1. Chain of custody document(s) received with samples.	Yes	
2. Sample container label(s) consistent with custody papers.	Yes	
3. Sample container label(s) complete (ID, date, time, taken by).	Yes	
4. Sample container(s) intact and in good condition.	Yes	
5. If applicable, proper preservation noted on sample label(s).	Yes	
6. Sufficient sample volume received for analyses requested.	Yes	
7. Correct containers used for analyses requested.	Yes	
8. If applicable, VOA vials free of headspace.	Yes	

Section B: Additional Observations

1. Describe packing materials used in container.	NA	
2. Was sample container('s) sealed with custody	No	
3. Were all samples sealed in separate plastic bags?	No	
4. Measured temperature inside delivery container when opened.	5.0	°C
5. If delivery container shipped by third-party carrier, did container come with shipping slip, airbill, etc.? If YES, attach copy of shipping slip/airbill to the back of this	No	
6. Do tedlar bags show condensation? Describe below if yes.	No	
7. Are 25.1 condensate traps immersed in dry ice?	NA	
8. Are 25.1 sampling trains intact?	NA	
9. Are 25.3 condensate vials still attached to the sampling train?	NA	
10. Are 25.3 condensate vials on wet ice?	NA	

Section C: Additional Comments

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 • FAX: (714) 894-7501

Bill To: (TRC Alton - Geoscience)
WBS# 56

CHAIN OF CUSTODY RECORD

Date 8-31-00
Page 1 of 1

LABORATORY CLIENT: TRC Alton - Geoscience	CLIENT PROJECT NAME / NUMBER: Valk - Fee 23-0134-01	P.O. NO.:
ADDRESS: 25 A Technology Dr	PROJECT CONTACT: John Trompeter	QUOTE NO.:
CITY: Irvine STATE: CA ZIP: 92618	SAMPLER(S): (SIGNATURE) Thomas Velazquez	LAB USE ONLY 09-0042
TEL: 949 753-0101 FAX: 949 753-0111 E-MAIL:		

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___ / ___ / ___.

SPECIAL INSTRUCTIONS

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G) by 8015 M	TPH (D) (O)	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	ICP/MS METALS (6020)	PNAs (8310)	VOCs (TO-14A) or (TO-15)	CH_4 / TGNMO (25.1)	FIXED GASES (25.1) or (D1946)	oxys	Full scan 8260	Ethanol	Methanol
	MW-3		8-31-00	10:32	GW	7	X															X	X	X	X
	MW-4		↓	10:45	↓	7	↓															↓	↓	↓	↓

POS 5°C

Relinquished by: (Signature)	Received by: (Signature)	Date: 9/1/00	Time: 1425
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	Date: 9/1/00	Time: 1515

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Yellow and Pink copies respectively.

02/01/99 Revision

Q&Q Graphic (714) 898-9702

Calscience Environmental Laboratories, Inc.

September 22, 2000

John Trompeter
TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Subject: **Calscience Work Order Number: 00-09-0539**
Client Reference: Mobil Jalk Fee - 002

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 09/15/00, and analyzed as requested on the attached chain-of-custody record.

The results in this analytical report are limited to the samples tested, and any reproduction of this report must be made in its entirety.

Note that the Sample Receipt Form and Chain-of-Custody Record are integral parts of this report.

If you have any questions regarding this report, require sampling supplies or field services, or information about our analytical services, please feel free to call me at (714) 895-5494.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Michael J. Crisostomo
Project Manager

William H. Christensen
Quality Assurance Manager

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

TRC-Alton Geoscience	Date Sampled:	09/15/00
21 Technology Drive	Date Received:	09/15/00
Irvine, CA 92618	Date Extracted:	P/T
	Date Analyzed:	09/19-20/00
	Work Order No.:	00-09-0539
Attn: John Trompeter	Method:	EPA 8015M
RE: Mobil Jalk Fee - 002	Page 1 of 1	

All total petroleum hydrocarbon concentrations are reported in µg/L (ppb) using gasoline as a standard.

Sample Number	C4-C12 [Note 1] Concentration	Reporting Limit
MW-5	136	100
Method Blank	ND	100

1. Due to limitations of the requested method, accurate quantitation of the C4 hydrocarbons may not be achieved. Therefore, any reported C4-C12 values include detectable TPH that approximates the n-alkane hydrocarbon, C4.

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

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Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

TRC-Alton Geoscience		Date Sampled:	09/15/00
21 Technology Drive		Date Received:	09/15/00
Irvine, CA 92618		Date Extracted:	NA
		Date Analyzed:	09/18/00
		Work Order No.:	00-09-0539
Attn: John Trompeter		Method:	EPA 8015B
RE: Mobil Jalk Fee - 002		Page 1 of 1	

All concentrations are reported in mg/L (ppm).

Analyte	Concentration	Reporting Limit
Sample Number: MW-5		
Methanol	0.32	0.10
Ethanol	ND	0.10
Sample Number: Method Blank		
Methanol	ND	0.10
Ethanol	ND	0.10

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Date Received: 09/15/00
Work Order No: 00-09-0539
Preparation: N/A
Method: EPA 8260B

Project: Mobil Jalk Fee - 002

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW-5	00-09-0539-1	09/15/00	Aqueous	N/A	09/20/00	000919BW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	50	5		ug/L	1,1-Dichloropropene	ND	5.0	5		ug/L
Benzene	ND	2.5	5		ug/L	c-1,3-Dichloropropene	ND	2.5	5		ug/L
Bromobenzene	ND	5.0	5		ug/L	t-1,3-Dichloropropene	ND	2.5	5		ug/L
Bromochloromethane	ND	5.0	5		ug/L	Ethylbenzene	ND	5.0	5		ug/L
Bromodichloromethane	ND	5.0	5		ug/L	2-Hexanone	ND	50	5		ug/L
Bromoform	ND	5.0	5		ug/L	Isopropylbenzene	ND	5.0	5		ug/L
Bromomethane	ND	5.0	5		ug/L	p-Isopropyltoluene	ND	5.0	5		ug/L
2-Butanone	ND	50	5		ug/L	Methylene Chloride	ND	50	5		ug/L
n-Butylbenzene	ND	5.0	5		ug/L	4-Methyl-2-Pentanone	ND	50	5		ug/L
sec-Butylbenzene	ND	5.0	5		ug/L	Naphthalene	ND	50	5		ug/L
tert-Butylbenzene	ND	5.0	5		ug/L	n-Propylbenzene	ND	5.0	5		ug/L
Carbon Disulfide	ND	50	5		ug/L	Styrene	ND	5.0	5		ug/L
Carbon Tetrachloride	ND	2.5	5		ug/L	1,1,1,2-Tetrachloroethane	ND	5.0	5		ug/L
Chlorobenzene	ND	5.0	5		ug/L	1,1,2,2-Tetrachloroethane	ND	5.0	5		ug/L
Chloroethane	ND	5.0	5		ug/L	Tetrachloroethene	390	5	5		ug/L
Chloroform	ND	5.0	5		ug/L	Toluene	ND	5.0	5		ug/L
Chloromethane	ND	5.0	5		ug/L	1,2,3-Trichlorobenzene	ND	5.0	5		ug/L
2-Chlorotoluene	ND	5.0	5		ug/L	1,2,4-Trichlorobenzene	ND	5.0	5		ug/L
4-Chlorotoluene	ND	5.0	5		ug/L	1,1,1-Trichloroethane	ND	5.0	5		ug/L
Dibromochloromethane	ND	5.0	5		ug/L	1,1,2-Trichloroethane	ND	5.0	5		ug/L
1,2-Dibromo-3-Chloropropane	ND	25	5		ug/L	Trichloroethene	52	5	5		ug/L
1,2-Dibromoethane	ND	5.0	5		ug/L	Trichlorofluoromethane	ND	50	5		ug/L
Dibromomethane	ND	5.0	5		ug/L	1,2,3-Trichloropropane	ND	5.0	5		ug/L
1,2-Dichlorobenzene	ND	5.0	5		ug/L	1,2,4-Trimethylbenzene	ND	5.0	5		ug/L
1,3-Dichlorobenzene	ND	5.0	5		ug/L	1,3,5-Trimethylbenzene	ND	5.0	5		ug/L
1,4-Dichlorobenzene	ND	5.0	5		ug/L	Vinyl Acetate	ND	50	5		ug/L
Dichlorodifluoromethane	ND	5.0	5		ug/L	Vinyl Chloride	ND	2.5	5		ug/L
1,1-Dichloroethane	3.1	5.0	5	J	ug/L	p/m-Xylene	ND	5.0	5		ug/L
1,2-Dichloroethane	ND	2.5	5		ug/L	o-Xylene	ND	5.0	5		ug/L
1,1-Dichloroethene	41	5	5		ug/L	Methyl-tert-Butyl Ether	ND	5.0	5		ug/L
c-1,2-Dichloroethene	3.3	5.0	5	J	ug/L	Tert-Butyl alcohol (TBA)	ND	250	5		ug/L
t-1,2-Dichloroethene	ND	5.0	5		ug/L	Diisopropyl ether (DIPE)	ND	10	5		ug/L
1,2-Dichloropropane	2.7	5.0	5	J	ug/L	Ethyl t-butyl ether (ETBE)	ND	10	5		ug/L
1,3-Dichloropropane	ND	5.0	5		ug/L	Tert-Amyl methyl ether	ND	10	5		ug/L
2,2-Dichloropropane	ND	5.0	5		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	86-118		Toluene-d8	99	88-110	
1,4-Bromofluorobenzene	90	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Date Received: 09/15/00
Work Order No: 00-09-0539
Preparation: N/A
Method: EPA 8260B

Project: Mobil Jalk Fee - 002

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
Method Blank	**099-10-006-779**	**N/A**	**Aqueous**	**N/A**	**09/20/00**	**000919BW**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
Bromoform	ND	1.0	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
2-Butanone	ND	10	1		ug/L	Methylene Chloride	ND	10	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Naphthalene	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Styrene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Methyl-tert-Butyl Ether	ND	1.0	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	Tert-Butyl alcohol (TBA)	ND	50	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Diisopropyl ether (DIPE)	ND	2.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Ethyl t-butyl ether (ETBE)	ND	2.0	1		ug/L
1,3-Dichloropropane	ND	1.0	1		ug/L	Tert-Amyl methyl ether	ND	2.0	1		ug/L
2,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	86-118		Toluene-d8	96	88-110	
1,4-Bromofluorobenzene	91	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

QUALITY ASSURANCE SUMMARY

Method EPA 8015M - Gasoline

TRC-Alton Geoscience — Work Order No.: 00-09-0539
Page 1 of 1 — Date Analyzed: 09/19/00

Matrix Spike/Matrix Spike Duplicate

Sample Spiked: 00-09-0556-1

Analyte	MS%REC	MSD%REC	Control Limits	%RPD	Control Limits
TPH as Gasoline	81	81	68 - 122	1	0 - 14

Laboratory Control Sample

Analyte	Conc. Added	Conc. Rec.	%REC	Control Limits
TPH as Gasoline	2000	1890	94	79 - 115

Surrogate Recoveries (in %)

Sample Number	S1
MW-5	94
Method Blank	94

Surrogate Compound	%REC Acceptable Limits
S1 >1,4-Bromofluorobenzene	57 - 128

Calscience Environmental Laboratories, Inc.

QUALITY ASSURANCE SUMMARY
Method EPA 8015B

TRC-Alton Geoscience | Work Order No.: 00-09-0539
Page 1 of 1 | Date Analyzed: 09/18/00

Matrix Spike/Matrix Spike Duplicate
Sample Spiked: MW-5

Analyte	MS%REC	MSD%REC	Control Limits	%RPD	Control Limits
Methanol	90	92	50 - 150	1	0 - 25
Ethanol	96	94	50 - 150	2	0 - 25

Laboratory Control Sample

Analyte	Conc. Added	Conc. Rec.	%REC	Control Limits
Methanol	5.00	4.76	95	50 - 150
Ethanol	5.00	4.93	99	50 - 150

Surrogate Recoveries (in %)

Sample Number	S1
MW-5	101
Method Blank	101

Surrogate Compound	%REC Acceptable Limits
S1 > Acetonitrile	50 - 150

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Date Received: 09/15/00
Work Order No: 00-09-0539
Preparation: N/A
Method: EPA 8260B

Project: Mobil Jalk Fee - 002

Spiked Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
00-09-0481-2	Aqueous	GC/MS M	N/A	09/20/00	000904812

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	98	72-127	1	0-25	
Carbon Tetrachloride	101	101	70-130	0	0-25	
Chlorobenzene	100	101	72-131	1	0-25	
1,2-Dichlorobenzene	100	98	70-130	1	0-25	
1,1-Dichloroethene	98	100	69-127	1	0-25	
Toluene	101	101	75-124	0	0-25	
Trichloroethene	98	97	60-137	1	0-25	
Vinyl Chloride	92	90	70-130	1	0-25	
Methyl-tert-Butyl Ether	100	95	80-120	6	0-25	
Tert-Butyl alcohol (TBA)	98	94	60-140	4	0-25	
Diisopropyl ether (DIPE)	102	111	60-140	9	0-25	
Ethyl t-butyl ether (ETBE)	106	102	60-140	3	0-25	
Tert-Amyl methyl ether	96	94	60-140	3	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Project: Mobil Jalk Fee - 002

Date Received: 09/15/00
Work Order No: 00-09-0539
Preparation: N/A
Method: EPA 8260B

LCS Sample Number	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-006-779	Aqueous	GC/MS M	09/20/00	19SEP027	000919BW

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Benzene	50	48.0	96	72-127	
Carbon Tetrachloride	50	51.3	103	70-130	
Chlorobenzene	50	49.6	99	72-131	
1,2-Dichlorobenzene	50	50.0	100	70-130	
1,1-Dichloroethene	50	50.4	101	69-127	
Toluene	50	48.4	97	75-124	
Trichloroethene	50	47.6	95	60-137	
Vinyl Chloride	50	45.8	92	79-118	
Methyl-tert-Butyl Ether	50	50.9	102	80-120	
Tert-Butyl alcohol (TBA)	250	254	102	60-140	
Diisopropyl ether (DIPE)	50	50.4	101	60-140	
Ethyl t-butyl ether (ETBE)	50	51.2	102	60-140	
Tert-Amyl methyl ether	50	48.6	97	60-140	

Calscience Environmental Laboratories, Inc.

GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 00-09-0539

Qualifier	Definition
J	Analyte was detected at a concentration below the reporting limit. Reported value is estimated.
ND	Not detected at indicated reporting limit.

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501

SAMPLE RECEIPT FORM

Work Order Number:	**00-09-0539**	Date Received:	09/15/00
Delivery Container Type:	Cooler	Date Opened:	09/15/00
Client Project ID:	Mobil Jalk FEE	Opened By:	JP

Section A: Pass/Fail Criteria

		Comments
1. Chain of custody document(s) received with samples.	Yes	
2. Sample container label(s) consistent with custody papers.	Yes	
3. Sample container label(s) complete (ID, date, time, taken by).	Yes	
4. Sample container(s) intact and in good condition.	Yes	
5. If applicable, proper preservation noted on sample label(s).	Yes	
6. Sufficient sample volume received for analyses requested.	Yes	
7. Correct containers used for analyses requested.	Yes	
8. If applicable, VOA vials free of headspace.	Yes	

Section B: Additional Observations

1. Describe packing materials used in container.	NA	
2. Was sample container('s) sealed with custody	No	
3. Were all samples sealed in separate plastic bags?	No	
4. Measured temperature inside delivery container when opened.	4.0	°C
5. If delivery container shipped by third-party carrier, did container come with shipping slip, airbill, etc.? If YES, attach copy of shipping slip/airbill to the back of this	No	
6. Do tedlar bags show condensation? Describe below if yes.	NA	
7. Are 25.1 condensate traps immersed in dry ice?	NA	
8. Are 25.1 sampling trains intact?	NA	
9. Are 25.3 condensate vials still attached to the sampling train?	NA	
10. Are 25.3 condensate vials on wet ice?	NA	

Section C: Additional Comments

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 • FAX: (714) 894-7501

Bill to TRC Alton Geoscience

CHAIN OF CUSTODY RECORD

Date 09-15-00

Page 1 of 1

LABORATORY CLIENT: TRC Alton Geoscience		CLIENT PROJECT NAME / NUMBER: Mobil / Jalk Fee - 002	P.O. NO.:
ADDRESS: 21 Technology Dr		PROJECT CONTACT: John Trompeter	QUOTE NO.:
CITY: Irvine	STATE: CA / ZIP: 92618	SAMPLER(S): (SIGNATURE)	LAB USE ONLY: 09-0539
TEL: 949 753 0101	FAX: 949 753 0111	E-MAIL:	

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___ / ___ / ___.

SPECIAL INSTRUCTIONS
TPH-G, OXYS, Ethanol, Methanol, Full scan 8260

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) (O)	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	ICP/MS METALS (6020)	PNAs (8310)	VOCs (TO-14A) or (TO-15)	CH_4 / TGNMO (25.1)	FIXED GASES (25.1) or (D1946)	oxygenates	ethanol	methanol		
	MW-5	Jalk Fee-002	09-15-00	10:09	GW	7	X															X	X	X		

ROI 4°C

Relinquished by: (Signature)	Received by: (Signature)	Date: 9/15/00	Time: 1335
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	Date: 9/15/00	Time: 1545

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Yellow and Pink copies respectively.

02/01/99 Revision

PHILIP SERVICES CORP.

No. 003484

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Mobil Business Resources Corp. MOBIL S/S # JALKFEE

ADDRESS 3700 W. 190th St., TPT-2 10607 NORWALK BLVD.

EPA I.D. NO. | | | | | N | / | A | | | |

CITY, STATE, ZIP Torrance, Ca. 90509 STA FE SPRINGS, CA.

PHONE NO. (310) 212-1857

CONTAINERS: No. 4 VOLUME 220 gal WEIGHT _____

TYPE: ☒ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION GROUNDWATER GENERATING PROCESS _____

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%	5.		
2. T.P.H.		0-1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH _____ ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear proper personal protective gear when handling material.

JOHN TROMPETER TRC ALTON GEOSCIENCE BUDDY HAND

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

AS AGENT FOR MOBIL CONNIE SANTOS 7-7-00

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME PHILIP WEST INDUSTRIAL SERVICES, INC. EPA I.D. NO. CAD981685886

ADDRESS 2222 E. SEPULVEDA BLVD. JOB NO 5791

CITY, STATE, ZIP CARSON, CA. 90810 PICK UP DATE _____

PHONE NO. 562 595-1000

TRUCK, UNIT, I.D. NO. 713 - 717 CHARLES FLETCHER Charles Fletcher 7-7-00

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME CROSBY & OVERTON EPA I.D. NO. CAD028409019

ADDRESS 1630 WEST 17TH STREET DISPOSAL METHOD ☐ LANDFILL ☒ OTHER 15

CITY, STATE, ZIP LONG BEACH, CA. 90813 Profile # 12620

PHONE NO. 562 432-5445

E. HUIZAR E. Huizar 7/24/00

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

323-7-86